



Adjusting images

Welcome to Corel PHOTO-PAINT®, a powerful bitmap image-editing application that lets you retouch existing photos or create original graphics.

In this tutorial, you will use the Image Adjustment Lab to make the colors in a photograph more vibrant while also bringing out more detail and adding contrast. Some of these changes are subtle, but the final result is a high-quality photograph that a professional photographer might produce.

You will also use the Image Adjustment Lab to create various photographic effects in an image.




What you will learn

In this tutorial, you will learn how to

- use the Image Adjustment Lab
- adjust the color and contrast of images
- create photographic effects

Opening the Image Adjustment Lab

First, you will open the Image Adjustment Lab, and set up the window so you can easily preview the changes you make.

- 1 Click **File** menu ► **Open**.
- 2 Choose the folder where Corel PHOTO-PAINT is installed.
- 3 Choose the folder **Program files\Corel\CorelDRAW Graphics Suite 13\Languages\EN\Tutorials\Sample files**.
- 4 Double-click the filename **flower.tif**.
- 5 Click **Adjust** menu ► **Image adjustment lab**.
- 6 Click the **Maximize** button  at the upper-right corner of the window.
- 7 Click the **Before and after full preview** button  at the top of the window.
- 8 Click the **Zoom to fit** button .

Adjusting the color

The picture below was taken outside in the daylight, which gives it a naturally “warm” lighting. First, you will “cool” the highlights by adjusting the Temperature setting. Then, you will adjust the tint, saturation, midtones, and highlights to achieve the final effect.

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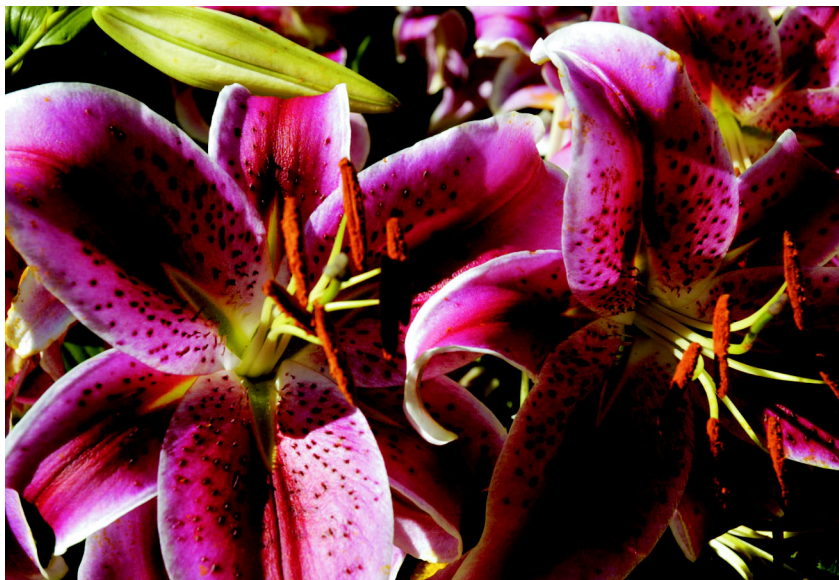


The **Hints** area in the Image Adjustment Lab gives you more information about the current tool or control you are using.

As you work, click the **Create snapshot** button after each step to see your progress and compare changes.



- 1 In the Image Adjustment Lab, move the **Temperature** slider to **6202**.

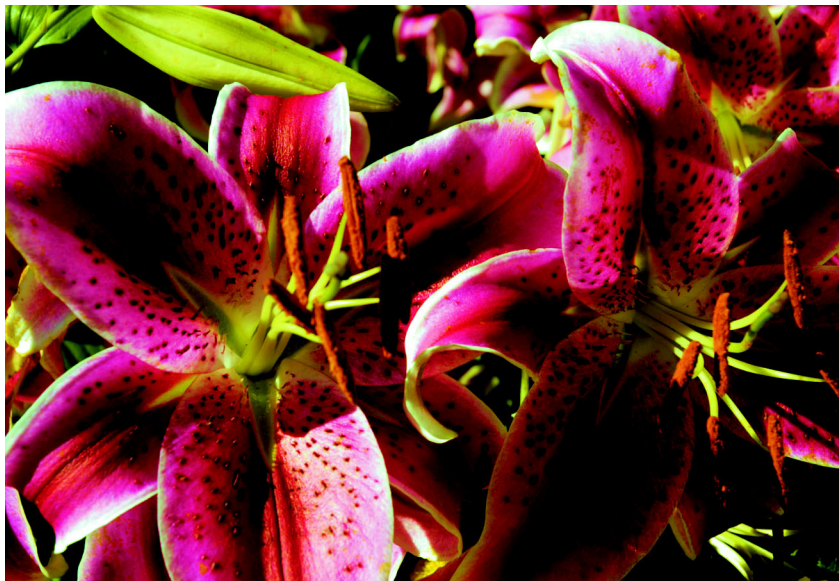


- 2 Cooling the temperature has caused the green leaves to become slightly blueish. To restore the warm color, move the **Tint** slider to **24**.

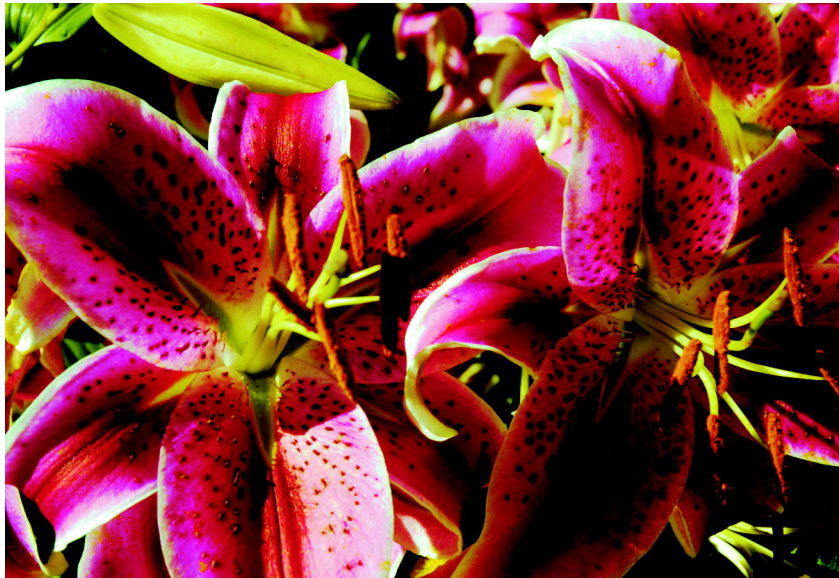
The **Tint** slider adjusts the Green/Magenta balance. When you increase the value, you add more green to the image.



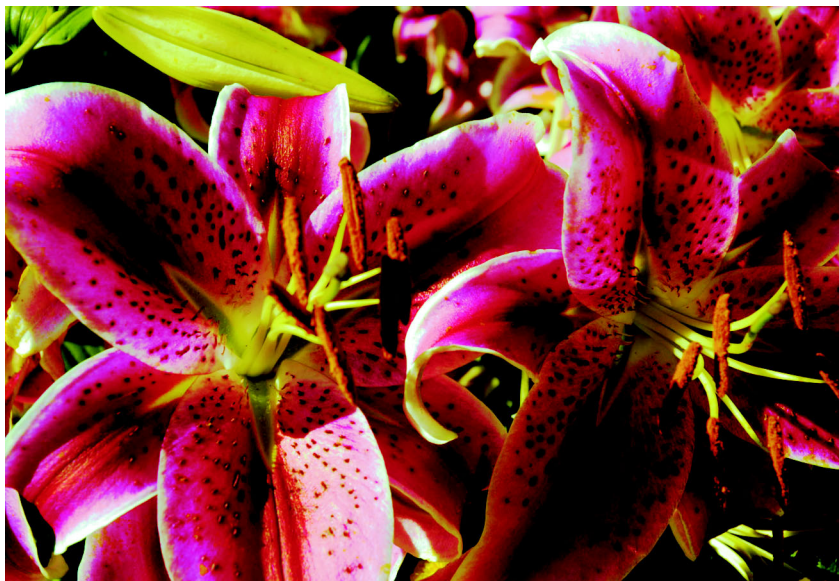
- 3 Adding green to the picture has caused the colored petals to become slightly greyish. To fix this, move the **Saturation** slider to **57**.



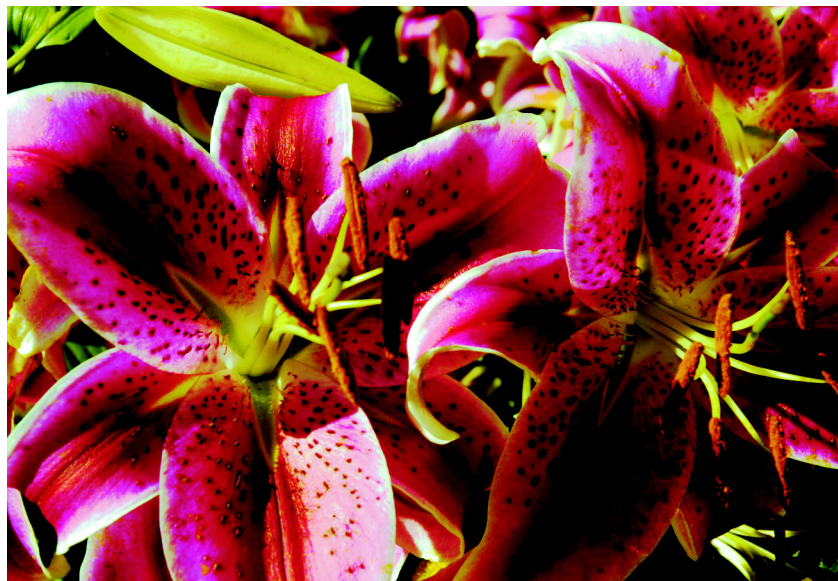
- 4 To bring out more detail in the image, move the **Midtones** slider to **36**.
Unlike the Brightness and Contrast controls, which adjust the overall image, the Highlight, Shadow, and Midtone controls target specific areas of the image.



- 5 Brightening the midtones has caused some of the highlights to look “blown out.” Move the **Highlights** slider to **-17** to compensate.



- 6 To increase the overall contrast, move the **Shadows** slider to **-10**.



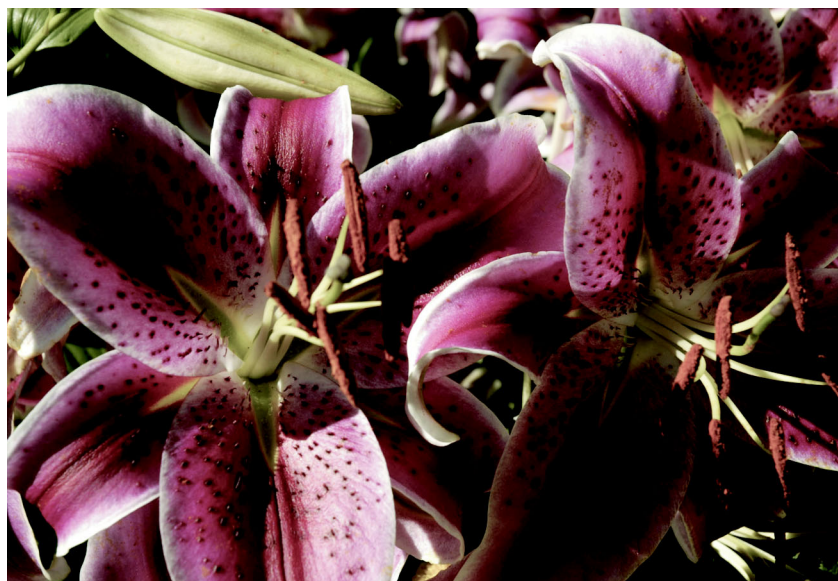
- 7 Compare your final image with the original. The colors are now more vibrant, without losing their tone or becoming oversaturated, and there is more contrast to make the details “pop.”

Creating photographic effects

You can also use the Image Adjustment Lab to create photographic effects. Below are some effects and their settings. When you are trying different settings, remember to start with the original flower.tif file each time—after taking a snapshot of the result, click the **Reset to original** button.

To simulate a hand-tinted photo

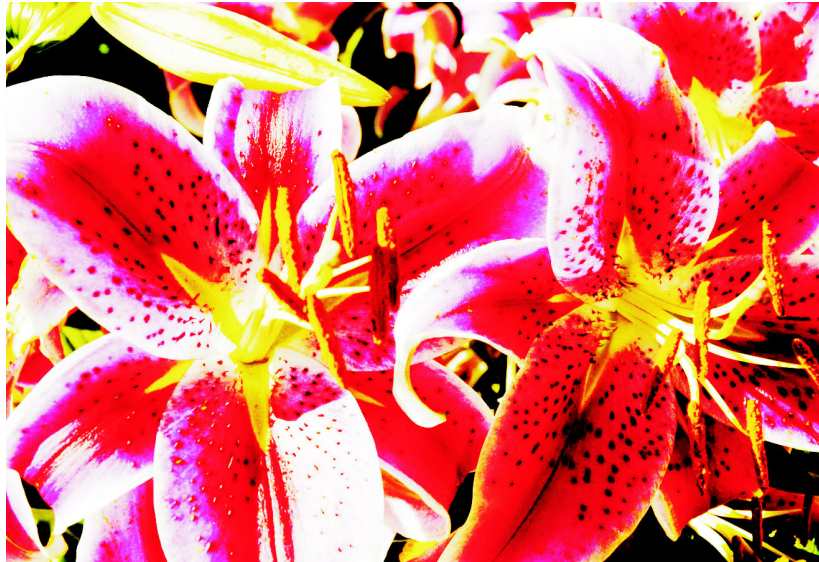
- Decrease the **Saturation** value. (A value of **-51** is used in the example below.)





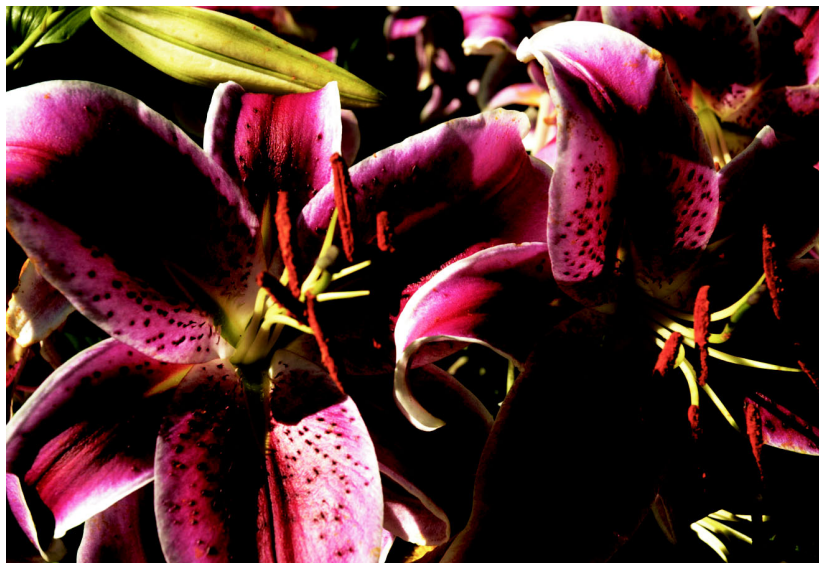
To posterize the image

- Increase both the **Brightness** and **Contrast** values. (A value of **65** is used in the example below.)



To simulate different lighting conditions

- Adjust different controls. The image below simulates a night shot with a strong flash. The effect is achieved by using these settings:
 - **Saturation: -30**
 - **Highlights: 100**
 - **Shadows: -80**
 - **Midtones: -37**



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Now that you are familiar with the Image Adjustment Lab, you can experiment with the settings to achieve various photographic effects, or adjust the color in your images to produce higher contrast and detail.

From here ...

You can explore Corel PHOTO-PAINT on your own, or you can learn more by completing other CorelTUTOR™ tutorials.

For more information about the topics and tools discussed in this tutorial, refer to the Help. To access Corel PHOTO-PAINT Help, click **Help** menu ► **Help topics**.

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